

GenCore version 5.1.4\_p5.4578  
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OM protein - protein search, using sw model

Run on: March 25, 2003, 08:32:51 ; Search time 14 Seconds  
(without alignments)  
53.462 Million cell updates/sec

Title: US-09-982-259-7

Perfect score: 72

Sequence: 1 GMTFRAQEGAFLTG 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 221153 seqs, 53462247 residues

Total number of hits satisfying chosen parameters: 221153

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	100.0	14	9	US-09-982-259-7
2	72	100.0	14	9	US-09-982-265-7
3	72	100.0	14	9	US-09-982-287-7
4	72	100.0	14	10	US-09-982-264-7
5	41	56.9	247	9	US-09-479-040-9
6	38.5	53.5	629	10	US-09-815-242-11063
7	37	51.4	259	9	US-10-004-717-66
8	37	51.4	591	10	US-09-764-864-1139
9	37	51.4	602	9	US-10-121-235-19
10	36	50.0	500	10	US-09-815-242-13764
11	36	50.0	758	10	US-09-735-101-2
12	35	48.6	353	12	US-10-071-751-65
13	35	48.6	353	12	US-10-071-751-68
14	34	47.2	24	10	US-09-864-761-39765
15	34	47.2	62	10	US-09-764-869-707
16	34	47.2	246	12	US-10-047-676A-15
17	34	47.2	495	10	US-09-815-242-11215
18	34	47.2	571	10	US-09-925-300-1673
19	34	47.2	729	10	US-09-815-242-10132

Sequence 4, Appli  
Sequence 4310, Ap  
Sequence 40428, A  
Sequence 43336, A  
Sequence 5441, Ap  
Sequence 6, Appli  
Sequence 7, Appli  
Sequence 381, App  
Sequence 245, App  
Sequence 3, Appli  
Sequence 5, Appli  
Sequence 10158, A  
Sequence 5040, Ap  
Sequence 10315, A  
Sequence 11716, A  
Sequence 41, Appl  
Sequence 44, Appl  
Sequence 5962, Ap  
Sequence 2, Appli  
Sequence 58, Appl  
Sequence 58, Appl  
Sequence 166, App  
Sequence 7, Appli  
Sequence 7, Appli

20 34 47.2 1316 9 US-10-120-544A-4  
21 34 47.2 1600 9 US-09-738-626-4310  
22 33 45.8 26 10 US-09-864-761-10428  
23 33 45.8 158 9 US-09-864-761-43336  
24 33 45.8 201 12 US-10-039-865-6  
25 33 45.8 201 12 US-10-039-865-7  
26 33 45.8 236 10 US-09-741-669-381  
27 33 45.8 324 10 US-09-912-020-245  
28 33 45.8 356 10 US-09-791-961-3  
29 33 45.8 409 10 US-09-845-335-5  
30 33 45.8 481 10 US-09-815-242-10158  
31 33 45.8 495 10 US-09-815-242-5040  
32 33 45.8 495 10 US-09-815-242-10315  
33 33 45.8 495 10 US-09-815-242-11716  
34 33 45.8 862 9 US-10-041-007-41  
35 33 45.8 862 10 US-09-887-586A-44  
36 33 45.8 862 10 US-09-903-012-44  
37 33 45.8 904 9 US-09-738-626-5962  
38 33 45.8 1239 10 US-09-871-388-2  
39 33 45.8 1336 9 US-09-945-901-58  
40 33 45.8 1336 9 US-10-007-747-58  
41 33 45.8 1336 9 US-10-038-937-58  
42 33 45.8 47 9 US-10-016-157A-166  
43 32 44.4 79 9 US-09-886-242A-7  
44 32 44.4 79 9 US-10-027-603-7  
45 32 44.4 79 9 US-10-027-603-7

#### ALIGNMENTS

RESULT 1  
US-09-982-259-7  
; Sequence 7, Application US/09982259  
; Publication No. US20020197271A1  
; GENERAL INFORMATION:  
; APPLICANT: Qiu, Bo  
; APPLICANT: Stein, Stanley  
; APPLICANT: Brunner, Michael  
; APPLICANT: Katz, Michael  
; APPLICANT: Zhang, Guobao  
; APPLICANT: Sigal, Leonard  
; TITLE OF INVENTION: Borellia burgdorferi Epitope Peptides  
; FILE REFERENCE: 271/289  
; CURRENT APPLICATION NUMBER: US/09/982,259  
; CURRENT FILING DATE: 2001-10-17  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 7  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Borellia burgdorferi  
US-09-982-259-7

Query Match 100.0%; Score 72; DB 9; Length 14;  
Best Local Similarity 100.0%; Pred. No. 2.1e-07;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GMTFRAQEGAFLTG 14

Db 1 GMTFRAQEGAFLTG 14

RESULT 2

US-09-982-265-7  
; Sequence 7, Application US/09982265  
; Publication No. US20030040126A1  
; GENERAL INFORMATION:  
; APPLICANT: Qiu, Bo  
; APPLICANT: Stein, Stanley  
; APPLICANT: Brunner, Michael  
; APPLICANT: Katz, Michael  
; APPLICANT: Zhang, Guobao

```

; APPLICANT: Sigal, Leonard
; TITLE OF INVENTION: Immunological Test Kit with Immunologically Invisible Carrier
; FILE REFERENCE: 271/287
; CURRENT APPLICATION NUMBER: US/09/982,265
; CURRENT FILING DATE: 2001-10-17
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Borellia burgdorferi
US-09-982-265-7

```

```

Query Match 100.0%; Score 72; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.le-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |
Db 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |

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* RESULT 3
US-09-982-287-7

```

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; Sequence 7, Application US/09982287
; Publication No. US20030040127A1
; GENERAL INFORMATION:
; APPLICANT: Qiu, Bo
; APPLICANT: Stein, Stanley
; APPLICANT: Brunner, Michael
; APPLICANT: Katz, Michael
; APPLICANT: Zhang, Guobao
; APPLICANT: Sigal, Leonard
; TITLE OF INVENTION: Multiple Epitopes Connected by Carrier
; FILE REFERENCE: 271/090
; CURRENT APPLICATION NUMBER: US/09/982,287
; CURRENT FILING DATE: 2001-10-17
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Borellia burgdorferi
US-09-982-287-7

```

```

Query Match 100.0%; Score 72; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.le-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |
Db 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |

```

```

* RESULT 4
US-09-982-264-7

```

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; Sequence 7, Application US/09982264
; Patent No. US20020106706A1
; GENERAL INFORMATION:
; APPLICANT: Qiu, Bo
; APPLICANT: Stein, Stanley
; APPLICANT: Brunner, Michael
; APPLICANT: Katz, Michael
; APPLICANT: Zhang, Guobao
; APPLICANT: Sigal, Leonard
; TITLE OF INVENTION: Immunological Test Kit with Borellia burgdorferi Epitope
; FILE REFERENCE: 271/288
; CURRENT APPLICATION NUMBER: US/09/982,264
; CURRENT FILING DATE: 2001-10-17
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 14

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; TYPE: PRT
; ORGANISM: Borellia burgdorferi
US-09-982-264-7

```

```

Query Match 100.0%; Score 72; DB 10; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.le-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |
Db 1 GMTFRAQEGAFLTG 14
| | | | | | | | | | | | | |

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```

* RESULT 5
US-09-479-040-9

```

```

; Sequence 9, Application US/09479040
; Publication No. US20020182690A1
; GENERAL INFORMATION:
; APPLICANT: McCool, Gabriel J.
; APPLICANT: Cannon, Maura C.
; APPLICANT: Cannon, Francis C.
; APPLICANT: Valentin, Henry E.
; APPLICANT: Groys, Kenneth J.
; TITLE OF INVENTION: POLYHYDROXYALKANOATE BIOSYNTHESIS ASSOCIATED PROTEINS
; FILE REFERENCE: MOBT212
; CURRENT APPLICATION NUMBER: US/09/479,040
; CURRENT FILING DATE: 2000-01-07
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Bacillus megaterium
US-09-479-040-9

```

```

Query Match 56.9%; Score 41; DB 9; Length 247;
Best Local Similarity 42.9%; Pred. No. 3.6;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

```

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QY 1 GMTFRAQEGAFLTG 14
| : : | : : | : |
Db 223 GVVYLAQDGYITG 236

```

```

* RESULT 6
US-09-815-242-11063

```

```

; Sequence 11063, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27

```

; PRIOR APPLICATION NUMBER: 60/257,931  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: 60/269,308  
 ; PRIOR FILING DATE: 2001-02-16  
 ; NUMBER OF SEQ ID NOS: 14110  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 11063  
 ; LENGTH: 629  
 ; TYPE: PRT  
 ; ORGANISM: Haemophilus influenzae  
 US-09-815-242-11063

Query Match 53.5%; Score 38.5; DB 10; Length 629;  
 Best Local Similarity 47.4%; Pred. No. 31;  
 Matches 9; Conservative 2; Mismatches 3; Indels 5; Gaps 1;

Qy 1 GMTFAQE-----CAFLTG 14  
 Db 143 GLTFRKSVILTAGTFLAG 161

SULT 7

10-004-717-66  
 Sequence 66, Application US/10004717  
 ; Publication No. US20020192665A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ZOGHBI, HUDA Y.  
 ; APPLICANT: YANG, QI

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPEUTIC USE OF AN  
 ; TITLE OF INVENTION: ATONAL ASSOCIATED SEQUENCE FOR DEAFNESS,  
 ; TITLE OF INVENTION: OSTEOARTHRITIS, AND ABNORMAL CELL PROLIFERATION  
 ; FILE REFERENCE: P01899US4  
 ; CURRENT APPLICATION NUMBER: US/10/004,717  
 ; CURRENT FILING DATE: 2002-08-16  
 ; PRIOR APPLICATION NUMBER: 09/585,645  
 ; PRIOR FILING DATE: 2000-06-01  
 ; PRIOR APPLICATION NUMBER: 60/176,993  
 ; PRIOR FILING DATE: 2000-01-19  
 ; PRIOR APPLICATION NUMBER: 60/137,060  
 ; PRIOR FILING DATE: 1999-06-01  
 ; NUMBER OF SEQ ID NOS: 69  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 66  
 ; LENGTH: 259  
 ; TYPE: PRT  
 ; ORGANISM: Frog  
 US-10-004-717-66

Query Match 51.4%; Score 37; DB 9; Length 259;  
 Best Local Similarity 53.8%; Pred. No. 21;  
 Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2 MTFRAQEGAFITG 14  
 Db 211 LSFQFQEGALSG 223

RESULT 8

US-09-764-864-1139  
 Sequence 1139, Application US/09764864  
 ; Patent No. US20020132753A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PRT23  
 ; CURRENT APPLICATION NUMBER: US/09/764,864  
 ; CURRENT FILING DATE: 2001-01-17  
 ; Prior application data removed - consult PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 1792  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1139  
 ; LENGTH: 591  
 ; TYPE: PRT

; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: SITE  
 ; LOCATION: (338)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 ; LOCATION: (376)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 ; LOCATION: (465)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 ; LOCATION: (485)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 ; NAME/KEY: SITE  
 ; LOCATION: (491)  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-764-864-1139

Query Match 51.4%; Score 37; DB 10; Length 591;  
 Best Local Similarity 60.0%; Pred. No. 55;  
 Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 4 FRAQEGAFIT 13  
 Db 392 FRKDGSEVT 401

RESULT 9

US-10-121-235-19  
 Sequence 19, Application US/10121235  
 ; Publication No. US20030032609A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, Mu-En  
 ; APPLICANT: Maemura, Koji  
 ; APPLICANT: Hsieh, Chung-Ming  
 ; TITLE OF INVENTION: METHODS OF MODULATING OF ANGIOGENESIS  
 ; FILE REFERENCE: 05433/037001  
 ; CURRENT APPLICATION NUMBER: US/10/121,235  
 ; CURRENT FILING DATE: 2002-04-12  
 ; PRIOR APPLICATION NUMBER: US 09/374,454  
 ; PRIOR FILING DATE: 1999-08-13  
 ; PRIOR APPLICATION NUMBER: US 60/096,515  
 ; PRIOR FILING DATE: 1998-08-14  
 ; NUMBER OF SEQ ID NOS: 22  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 19  
 ; LENGTH: 602  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-121-235-19

Query Match 51.4%; Score 37; DB 9; Length 602;  
 Best Local Similarity 60.0%; Pred. No. 56;  
 Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 4 FRAQEGAFIT 13  
 Db 403 FRKDGSEVT 412

RESULT 10

US-09-815-242-13764  
 Sequence 13764, Application US/09815242  
 ; Patent No. US20020061509A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Ohlsen, Kari L.  
 ; APPLICANT: Zyskind, Judith W.  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John D.  
 ; APPLICANT: Carr, Grant J.  
 ; APPLICANT: Yamamoto, Robert T.

```

; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: Prokaryotes
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13764
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Salmonella typhi
US-09-815-242-13764

```

```

Query Match          50.0%; Score 36; DB 10; Length 500;
Best Local Similarity 63.6%; Pred. No. 69;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

```

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QY      4 FRAQEGAFLTG 14
      |||||:|
DB      130 FRQEGEIVTG 140

```

```

RESULT 11
US-09-735-101-2
; Sequence 2, Application US/09735101
; Patent No. US20020138877A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Rad3 Orthologues and Uses Thereof
; FILE REFERENCE: 1181
; CURRENT APPLICATION NUMBER: US/09/735,101
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: US 60/170,597
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 758
; TYPE: PRT
; ORGANISM: Zea mays
US-09-735-101-2

```

```

Query Match          50.0%; Score 36; DB 10; Length 758;
Best Local Similarity 63.6%; Pred. No. 1,1e+02;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      3 TFRQEGAFLT 13
      ||:|:|
DB      646 TFRQEGDFLT 656

```

```

RESULT 12
US-10-071-751-65
; Sequence 65, Application US/10071751
; Patent No. US20020142352A1
; GENERAL INFORMATION:
; APPLICANT: Hunter, Shirley Wu
; Sim, Gek-kee

```

```

; Weber, Eric R.
; TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
; APPARATUS TO COLLECT SUCH PROTEINS
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHERIDAN ROSS P.C.
; STREET: 1560 BROADWAY, SUITE 1200
; CITY: DENVER
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/10/071,751
; APPLICATION NUMBER: US/10/071,751
; FILING DATE: 07-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/171,156
; FILING DATE: 1998-10-09
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 303/863-9700
; TELEFAX: 303/863-0223
; INFORMATION FOR SEQ ID NO: 65:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 65:
US-10-071-751-65

```

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Query Match          48.6%; Score 35; DB 12; Length 353;
Best Local Similarity 58.3%; Pred. No. 72;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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```

QY      3 TFRQEGAFLTG 14
      |||||:|
DB      76 TRRSQEGALLG 87

```

```

RESULT 13
US-10-071-751-68
; Sequence 68, Application US/10071751
; Patent No. US20020142352A1
; GENERAL INFORMATION:
; APPLICANT: Hunter, Shirley Wu
; Sim, Gek-kee
; Weber, Eric R.
; TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
; APPARATUS TO COLLECT SUCH PROTEINS
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SHERIDAN ROSS P.C.
; STREET: 1560 BROADWAY, SUITE 1200
; CITY: DENVER
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/071,751

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;; FILING DATE: 07-Feb-2002  
;; CLASSIFICATION: <Unknown>  
;; PRIORITY DATA:  
;; APPLICATION NUMBER: 09/171,156  
;; FILING DATE: 1998-10-09  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Connell, Gary J.  
;; REGISTRATION NUMBER: 32,020  
;; REFERENCE/DOCKET NUMBER: 2618-17-C4-PUS  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 303/863-9700  
;; TELEFAX: 303/863-0223  
;; INFORMATION FOR SEQ ID NO: 68:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 353 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
US-10-071-751-68

Query Match 48.6%; Score 35; DB 12; Length 353;  
Best Local Similarity 58.3%; Pred. No. 72;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 TFRQEGAFLTG 14  
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DB 76 TRSQEGALIG 87

RESULT 14  
US-09-864-761-39765  
; Sequence 39765, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aeonica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR FILING DATE: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670

;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/508,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 39765  
;; LENGTH: 24  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
; OTHER INFORMATION: MAP TO AC003663.1  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.3  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.6  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.5  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.1  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3  
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.3  
; OTHER INFORMATION: EST\_HUMAN HIT: BE774828.1, EVALUE 3.00e-07  
; OTHER INFORMATION: SWISSPROT HIT: P52292, EVALUE 2.00e-08  
US-09-864-761-39765

Query Match 47.2%; Score 34; DB 10; Length 24;  
Best Local Similarity 60.0%; Pred. No. 5.2;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GMTFRAEQA 10  
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DB 9 GYTFQVQDCA 18

RESULT 15  
US-09-764-869-707  
; Sequence 707, Application US/09764869  
; Patent No. US20020061521A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC007  
; CURRENT APPLICATION NUMBER: US/09/764,869  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - refer to PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 2442  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 707  
; LENGTH: 62  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-869-707

Query Match 47.2%; Score 34; DB 10; Length 62;  
Best Local Similarity 55.6%; Pred. No. 15;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 3 TFRQEGAF 11  
| | | | : | : |  
DB 15 TFRQEGSY 23

Search completed: March 25, 2003, 08:33:40  
Job time : 16 secs

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